

*Sub B1*

2. (Amended) A rock boring device as claimed in Claim 1,  
wherein said rock boring device includes a mounting section for  
said rotary disc cutter and a driven section, and wherein said  
mounting section is angularly offset from an axis of said driven  
section whereby said rotary disc cutter will both oscillate and  
nutate.

*Amendments*

3. (Amended) A rock boring machine, incorporating a rock  
boring device as claimed in Claim 1, wherein said rock boring  
device is mounted on a boom.

4. (Amended) A rock boring machine as claimed in Claim 3,  
wherein said boom is adapted to pivot about a vertical axis.

5. (Amended) A rock boring machine as claimed in Claim 3,  
wherein said boom is adapted to pivot about a horizontal axis.

6. (Amended) A rock boring machine as claimed in Claim 3,  
wherein said rock boring device is supported by said boom whereby  
as to be pivotable about an axis extending longitudinally of said  
boom.

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7. (Amended) A rock boring machine as claimed in Claim 3,  
wherein said rock boring device is supported to pivot relative to  
said boom.

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11. (Amended) A rock boring machine as claimed in Claim 3,  
wherein a plurality of said rock boring devices are carried by  
said rock boring machine.

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12. (Amended) A rock boring machine as claimed in Claim 3,  
wherein a velocity of said rotary disc cutter is controlled by  
interaction with a computer that processes algorithms with  
variable information input being provided by strain gauges and  
accelerometers mounted adjacent to said rotary disc cutter.

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13. (Amended) A rock boring machine as claimed in Claim 3,  
wherein said rock boring machine must be anchored or referenced to  
a position to insure too greater cut is not applied should said  
rock boring machine inadvertently move from the position it was in  
at the commencement of a cutting cycle.